

**From:** Dana Dean  
**To:** Russell Hardy  
**Date:** 5/11/2005 4:07:11 PM  
**Subject:** Re: Emery Mine 1st Qtr Water Samples

Russel,

I have uploaded all of the information for the Emery Deep Mine from the pipeline into the database. A report is attached.

As a reminder, according to parameters set by the assigned hydrologist, you are still missing samples for:

UT0022616-001 - March sample  
UT0022616-003 - March sample  
8 - Quarterly sample  
EMRIA2 - Quarterly sample  
SP-15 - Quarterly sample  
SP-14 - Quarterly sample  
SP-13 - Quarterly sample  
SP-10 - Quarterly sample  
SP-11 - Quarterly sample

Please let me know if you have any questions.

Thank you,

Dana Dean, P.E.  
Senior Reclamation Hydrologist  
Utah Division of Oil, Gas, and Mining  
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>>> "Hardy, Russell" <RussellHardy@consolenergy.com> 05/11/2005 10:02 AM >>>  
Pam,

The 1st Quarter water samples for Consolidation Coal Company's Emery Mine are in the pipeline. Upon review of the submitted data the following errors were identified:

Site 3: The comment on bicarbonate as CO3 Should read bicarbonate as CaCO3 not carbonate as CaCO3.

Site 4: The flow should be CFM not GPM

Site 5: The flow should be CFM not GPM

If you have any questions or concerns please let me know.

Thank you,

Russell Hardy

CONSOL ENERGY

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**CC:** Dave Darby; Steve Demczak

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OFFICIAL UPLOAD REPORT

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**OWNER: CONSOLIDATION COAL CO.**  
**MINE: EMERY DEEP**

**SITE TYPE: Stream**

SITE: 1  
Laboratory: OTH 59-27359 Period:OPER  
Sample Date: 03/25/2005 Time: 12:05 Reported: 04/11/2005 Received: 03/25/2005

SITE: 10  
Laboratory: CTE 59-27366 Period:OPER  
Sample Date: 03/25/2005 Time: 11:20 Reported: 04/11/2005 Received: 03/29/2005

SITE: 1A  
Laboratory: OTH 59-27360 Period:OPER  
Sample Date: 03/25/2005 Time: 08:45 Reported: 04/18/2005 Received: 03/29/2005

SITE: 2  
Laboratory: CTE 59-27361 Period:OPER  
Sample Date: 03/25/2005 Time: 12:04 Reported: 04/11/2005 Received: 03/29/2005

SITE: 3  
Laboratory: CTE 59-27362 Period:OPER  
Sample Date: 03/25/2005 Time: 10:20 Reported: 04/11/2005 Received: 03/29/2005

SITE: 4  
Laboratory: CTE 59-27363 Period:OPER  
Sample Date: 03/25/2005 Time: 10:20 Reported: 04/18/2005 Received: 03/29/2005

SITE: 5  
Laboratory: CTE 59-27364 Period:OPER  
Sample Date: 03/25/2005 Time: 10:03 Reported: 04/11/2005 Received: 03/29/2005

SITE: 9  
Laboratory: CTE 59-27365 Period:OPER  
Sample Date: 03/25/2005 Time: 11:38 Reported: 04/11/2005 Received: 03/29/2005

**SITE TYPE: UPDES Permit discharge point**

SITE: UT0022616-001  
NO FLOW Date: 01/05/2005 Time: 10:59  
Comments: No Oil or Froth, Not Discharging

NO FLOW Date: 02/01/2005 Time: 11:52  
Comments: No Oil or Froth, Not Discharging

Laboratory: OTH 59-27375 Period:OPER  
Sample Date: 04/01/2005 Time: 09:10 Reported: 04/14/2005 Received: 04/04/2005

SITE: UT0022616-002  
NO FLOW Date: 01/16/2005 Time: 12:01

NO FLOW Date: 02/16/2005 Time: 12:32

NO FLOW Date: 03/16/2005 Time: 08:32

SITE: UT0022616-003  
Laboratory: OTH 59-27200 Period:OPER  
Sample Date: 01/03/2005 Time: 12:21 Reported: 01/13/2005 Received: 01/03/2005

Laboratory: OTH 59-27228 Period:OPER

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Sample Date: 02/01/2005 Time: 10:15 Reported: 02/15/2005 Received: 02/01/2005

Laboratory: OTH 59-27374 Period:OPER  
Sample Date: 04/01/2005 Time: 12:00 Reported: 04/14/2005 Received: 04/04/2005

SITE: UT0022616-004  
NO FLOW Date: 01/16/2005 Time: 12:01

NO FLOW Date: 02/16/2005 Time: 12:32

NO FLOW Date: 03/16/2005 Time: 08:32

SITE: UT0022616-005  
NO FLOW Date: 01/16/2005 Time: 12:01

NO FLOW Date: 02/16/2005 Time: 12:32

NO FLOW Date: 03/16/2005 Time: 08:32

SITE: UT0022616-006  
NO FLOW Date: 01/16/2005 Time: 12:01

NO FLOW Date: 02/16/2005 Time: 12:32

NO FLOW Date: 03/16/2005 Time: 08:32

SITE: UT0022616-007  
NO FLOW Date: 01/16/2005 Time: 12:01

NO FLOW Date: 02/16/2005 Time: 12:32

NO FLOW Date: 03/16/2005 Time: 08:32

SITE: UT0022616-008  
NO FLOW Date: 01/16/2005 Time: 12:01

NO FLOW Date: 02/16/2005 Time: 12:32

NO FLOW Date: 03/16/2005 Time: 08:32

SITE: UT0024040-001  
NO FLOW Date: 01/16/2005 Time: 12:01

NO FLOW Date: 02/16/2005 Time: 12:32

NO FLOW Date: 03/16/2005 Time: 08:32

**SITE TYPE: Well**

SITE: AA-B  
Laboratory: FLD 20050331-3 Period:OPER  
Sample Date: 03/31/2005 Time: 11:55 Reported: Received:

SITE: AA-L  
Laboratory: FLD 20050331-7 Period:OPER  
Sample Date: 03/31/2005 Time: 12:00 Reported: Received:

SITE: AA-M  
Laboratory: FLD 20050331-6 Period:OPER  
Sample Date: 03/31/2005 Time: 12:03 Reported: Received:

SITE: AA-U  
Laboratory: FLD 20050331-5 Period:OPER

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Sample Date: 03/31/2005 Time: 12:08 Reported: Received:

SITE: BRYANT-U

DRY WELL Date: 03/31/2005 Time: 11:30  
Comments: 80' Dry, No Fuse to Pump

SITE: EMRIA1

Laboratory: FLD 20050325-C Period:OPER  
Sample Date: 03/25/2005 Time: 13:50 Reported: Received:

SITE: EMRIA3

Laboratory: FLD 20050325-D Period:OPER  
Sample Date: 03/25/2005 Time: 14:28 Reported: Received:

SITE: FC346WW

Laboratory: FLD 20050325-E Period:OPER  
Sample Date: 03/25/2005 Time: 14:08 Reported: Received:

SITE: H-B

Laboratory: FLD 20050325-5 Period:OPER  
Sample Date: 03/25/2005 Time: 13:20 Reported: Received:  
Comments: Hair and Dirt

SITE: H-L

DRY WELL Date: 03/25/2005 Time: 13:20  
Comments: Oil in Well

SITE: H-M

DRY WELL Date: 03/25/2005 Time: 13:20  
Comments: Oil in Well

SITE: H-U

Laboratory: FLD 20050325-8 Period:OPER  
Sample Date: 03/25/2005 Time: 13:20 Reported: Received:

SITE: I-B

DRY WELL Date: 03/25/2005 Time: 13:00  
Comments: Probe Stops at 66'

SITE: I-L

Laboratory: FLD 20050325-B Period:OPER  
Sample Date: 03/25/2005 Time: 13:00 Reported: Received:

SITE: I-M

Laboratory: FLD 20050325-A Period:OPER  
Sample Date: 03/25/2005 Time: 13:00 Reported: Received:

SITE: I-U

NO ACCESS Date: 03/31/2005 Time: 13:00  
Comments: Pipe Broken

SITE: KEMMERER-L

Laboratory: FLD 20050331-2 Period:OPER  
Sample Date: 03/31/2005 Time: 13:30 Reported: Received:  
Comments: Well Measured in psi (6 psi)

SITE: LEWIS-U

DRY WELL Date: 03/31/2005 Time: 13:45

SITE: MUDDY1

Laboratory: FLD 20050325-9 Period:OPER  
Sample Date: 03/25/2005 Time: 16:04 Reported: Received:

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SITE: MUDDY2

DRY WELL Date: 03/25/2005 Time: 15:45  
Comments: 665+ Dry

SITE: R1-L

Laboratory: FLD 20050331-8 Period:OPER  
Sample Date: 03/31/2005 Time: 12:20 Reported: Received:  
Comments: Well Measured in psi (50 psi)

SITE: R2-B

Laboratory: FLD 20050324-7 Period:OPER  
Sample Date: 03/24/2005 Time: 13:45 Reported: Received:

SITE: R2-M

Laboratory: FLD 20050324-8 Period:OPER  
Sample Date: 03/24/2005 Time: 13:49 Reported: Received:

SITE: R2-U

DRY WELL Date: 03/24/2005 Time: 13:55

SITE: RDA1

Laboratory: FLD 20050324-1 Period:OPER  
Sample Date: 03/24/2005 Time: 13:33 Reported: Received:

SITE: RDA2

Laboratory: FLD 20050324-2 Period:OPER  
Sample Date: 03/24/2005 Time: 13:38 Reported: Received:

SITE: RDA3

Laboratory: FLD 20050324-3 Period:OPER  
Sample Date: 03/24/2005 Time: 13:12 Reported: Received:

SITE: RDA4

Laboratory: FLD 20050324-4 Period:OPER  
Sample Date: 03/24/2005 Time: 13:21 Reported: Received:

SITE: RDA5

Laboratory: FLD 20050324-5 Period:OPER  
Sample Date: 03/24/2005 Time: 13:18 Reported: Received:

SITE: RDA6

Laboratory: FLD 20050324-6 Period:OPER  
Sample Date: 03/24/2005 Time: 13:28 Reported: Received:

SITE: SM1-1

Laboratory: FLD 20050325-2 Period:OPER  
Sample Date: 03/25/2005 Time: 14:37 Reported: Received:

SITE: SM1-2

NO ACCESS Date: 03/25/2005 Time: 14:40  
Comments: Buried by County Road

SITE: SM1-3

Laboratory: FLD 20050325-3 Period:OPER  
Sample Date: 03/25/2005 Time: 14:18 Reported: Received:

SITE: SM1-4

Laboratory: FLD 20050325-4 Period:OPER  
Sample Date: 03/25/2005 Time: 10:12 Reported: Received:

SITE: T1-B

Laboratory: FLD 20050331-1 Period:OPER  
Sample Date: 03/31/2005 Time: 13:01 Reported: Received:

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SITE: T1-U  
DRY WELL Date: 03/31/2005 Time: 13:03  
Comments: Dry at 135'

SITE: T2-B  
Laboratory: FLD 20050331-4 Period:OPER  
Sample Date: 03/31/2005 Time: 11:05 Reported: Received:

SITE: TP-U  
DRY WELL Date: 03/31/2005 Time: 14:00  
Comments: 28' Dry

SITE: USGS 1-2  
Laboratory: FLD 20050325-1 Period:OPER  
Sample Date: 03/25/2005 Time: 14:53 Reported: Received:  
Comments: Dead Mouse in Bottom

SITE: USGS 3-1  
Laboratory: FLD 20050325-7 Period:OPER  
Sample Date: 03/25/2005 Time: 14:54 Reported: Received:

SITE: USGS 4-1  
Laboratory: FLD 20050325-6 Period:OPER  
Sample Date: 03/25/2005 Time: 14:53 Reported: Received:

SITE: WW1  
Laboratory: FLD 20050331-9 Period:OPER  
Sample Date: 03/31/2005 Time: 11:20 Reported: Received:

SITE: ZZ-L  
NO ACCESS Date: 03/31/2005 Time: 11:15  
Comments: Pipe Broken